SUBJECT INDEX

Abdomen aortic aneurysm, preoperative computed tomography in, 87 sepsis, relaparotomy for, 294 trauma to alcohol abuse and coagulopathy and, 44 diagnostic laparotomy in, 41 Abscess drug-related, 398 intra-abdominal, Candida in, pathogenicity of, 299 splenic, 386 early diagnosis, 303 Adenocarcinoma ampulla of Vater, surgical experience, 603 colorectal. See Colorectal carcinoma Adolescence, malignant melanoma in, 142 Alcohol (ethanol) abuse, and coagulopathy, in penetrating abdominal trauma, 44 in experimental burn wounds, 53 intoxication, smoke inhalation injury and, 641 Aminoglycoside antibiotics, endotracheal administration, in gram negative pneumonia, 391 Ampulla of Vater, adenocarcinoma, 603 Amputation, following distal tibial revascularization, site and timing according to skin oxygenation, 519 Anastomosis, obstruction, in patent infrainguinal bypass, 607 abnormalities in cadaver kidneys procured for transplantation, 233 gross, in medical curriculum, 227 intrinsic muscles of sole of foot, 284 left triangular ligament of liver, 246 pelvic autonomic nerves, 236 Anesthetics, morphine sulfate interations (rat), 654 Aneurysm abdominal aorta, preoperative computed tomography in, 87 of superficial temporal artery, head trauma and, 49 Angelchik prosthesis, complications, 208 Angiogenesis, in skin wounds, hyperbaric oxygen and (rat), 659 Angioplasty, percutaneous transluminal, plus transaxillary first rib resection, for thoracic outlet syndrome, 485 **Anomalies** aortic arch, dysphagia and, 238 congenital accessory septum transversum, 278 gastric, 264 prepyloric web, 282 Antibiotic therapy endotracheal aminoglycosides in gram negative pneumonia, 391 in mixed anaerobic/aerobic infections, 467 Anus, imperforate, repair of, posterior sagittal approach, 72 Aorta abdominal, aneurysm, 87 thoracic, rupture of, in blunt chest trauma, 47 Aortic arch anomalies, dysphagia and, 238 Aortofemoral bypass, mixed venous oxygen saturation during, continuous monitoring of, 114 Aplasia, gastric, 264 Appendectomy, during pregnancy, 218 Appendicitis, acute diagnosis, 222 in pregnant patient, 218 Arteriography in carotid artery disease, 532

noninvasive techniques vs, 526

6

in splenic abscess, 303
Ascorbic acid, supplementation, after gastrointestinal surgery, body iron stores and, 463
Atresia gastric, 264
vaginal, 72
Atrioventricular synchrony, hemodynamics and, in patient with low ejection fraction following open heart surgery, 93

В

Back, epaxial paralle! muscle combination, 273 Balloon pumping, intra-aortic, assessment by ocular pneumoplethysmography, 489 Barium enema, in appendicitis, 222 Biliary tract bile duct carcinoma, aggressive surgical approach, 134 carcinoma, management, 134, 193 common duct exploration, in acute cholecystitis, 177 disease in cardiac patient, EKG changes in, 541 symptomatic, in elderly patient, 442 injuries, cholecystectomy and, 312 obstructive disease, management, 193 retained and residual common duct stones, 588 Biopsy, excisional, of suspicious mammographic lesions, 117 **Blood flow** poststenotic velocity, Doppler-derived percentage systolic window, 646 renal, in peritonitis (mouse), 625 Breast cancer, modified radical mastectomy with immediate breast reconstruction, 129 infrared light scanning, 123 nonpalpable mammographic lesions, wire localization and excisional biopsy, 117 **Burn wounds** in diabetic mice, 56 electrical, during open heart surgery, 97 experimental, ethanol effects, 53 Bypass procedures. See also Revascularization aortofemoral, 114 gastric, 594 iliofemoral, 374 infrainguinal, 607 C

Calcium depletion, and inhibition of hydrogen ion secretion by bullfrog fundic mucosa, 226 Cancer. See also specific organs chemotherapy. See Chemotherapy Merkel cell, 159 epidural morphine by continuous infusion with external pump, 402 percutaneous administration of epidural and intrathecal morphine, 155 squamous cell carcinoma metastatic to cervical lymph nodes, 152 Candida, in peritoneal fluid and intra-abdominal abscess, pathogenicity of, 299 Carbon clearance, muramyl dipeptide and lead acetate and (mouse), 613 Cardiography, impedance, 636 Cardiopulmonary bypass

SUBJECT INDEX

Abdomen aortic aneurysm, preoperative computed tomography in, 87 sepsis, relaparotomy for, 294 trauma to alcohol abuse and coagulopathy and, 44 diagnostic laparotomy in, 41 Abscess drug-related, 398 intra-abdominal, Candida in, pathogenicity of, 299 splenic, 386 early diagnosis, 303 Adenocarcinoma ampulla of Vater, surgical experience, 603 colorectal. See Colorectal carcinoma Adolescence, malignant melanoma in, 142 Alcohol (ethanol) abuse, and coagulopathy, in penetrating abdominal trauma, 44 in experimental burn wounds, 53 intoxication, smoke inhalation injury and, 641 Aminoglycoside antibiotics, endotracheal administration, in gram negative pneumonia, 391 Ampulla of Vater, adenocarcinoma, 603 Amputation, following distal tibial revascularization, site and timing according to skin oxygenation, 519 Anastomosis, obstruction, in patent infrainguinal bypass, 607 abnormalities in cadaver kidneys procured for transplantation, 233 gross, in medical curriculum, 227 intrinsic muscles of sole of foot, 284 left triangular ligament of liver, 246 pelvic autonomic nerves, 236 Anesthetics, morphine sulfate interations (rat), 654 Aneurysm abdominal aorta, preoperative computed tomography in, 87 of superficial temporal artery, head trauma and, 49 Angelchik prosthesis, complications, 208 Angiogenesis, in skin wounds, hyperbaric oxygen and (rat), 659 Angioplasty, percutaneous transluminal, plus transaxillary first rib resection, for thoracic outlet syndrome, 485 **Anomalies** aortic arch, dysphagia and, 238 congenital accessory septum transversum, 278 gastric, 264 prepyloric web, 282 Antibiotic therapy endotracheal aminoglycosides in gram negative pneumonia, 391 in mixed anaerobic/aerobic infections, 467 Anus, imperforate, repair of, posterior sagittal approach, 72 Aorta abdominal, aneurysm, 87 thoracic, rupture of, in blunt chest trauma, 47 Aortic arch anomalies, dysphagia and, 238 Aortofemoral bypass, mixed venous oxygen saturation during, continuous monitoring of, 114 Aplasia, gastric, 264 Appendectomy, during pregnancy, 218 Appendicitis, acute diagnosis, 222 in pregnant patient, 218 Arteriography in carotid artery disease, 532

noninvasive techniques vs, 526

6

in splenic abscess, 303
Ascorbic acid, supplementation, after gastrointestinal surgery, body iron stores and, 463
Atresia gastric, 264
vaginal, 72
Atrioventricular synchrony, hemodynamics and, in patient with low ejection fraction following open heart surgery, 93

В

Back, epaxial paralle! muscle combination, 273 Balloon pumping, intra-aortic, assessment by ocular pneumoplethysmography, 489 Barium enema, in appendicitis, 222 Biliary tract bile duct carcinoma, aggressive surgical approach, 134 carcinoma, management, 134, 193 common duct exploration, in acute cholecystitis, 177 disease in cardiac patient, EKG changes in, 541 symptomatic, in elderly patient, 442 injuries, cholecystectomy and, 312 obstructive disease, management, 193 retained and residual common duct stones, 588 Biopsy, excisional, of suspicious mammographic lesions, 117 **Blood flow** poststenotic velocity, Doppler-derived percentage systolic window, 646 renal, in peritonitis (mouse), 625 Breast cancer, modified radical mastectomy with immediate breast reconstruction, 129 infrared light scanning, 123 nonpalpable mammographic lesions, wire localization and excisional biopsy, 117 **Burn wounds** in diabetic mice, 56 electrical, during open heart surgery, 97 experimental, ethanol effects, 53 Bypass procedures. See also Revascularization aortofemoral, 114 gastric, 594 iliofemoral, 374 infrainguinal, 607 C

Calcium depletion, and inhibition of hydrogen ion secretion by bullfrog fundic mucosa, 226 Cancer. See also specific organs chemotherapy. See Chemotherapy Merkel cell, 159 epidural morphine by continuous infusion with external pump, 402 percutaneous administration of epidural and intrathecal morphine, 155 squamous cell carcinoma metastatic to cervical lymph nodes, 152 Candida, in peritoneal fluid and intra-abdominal abscess, pathogenicity of, 299 Carbon clearance, muramyl dipeptide and lead acetate and (mouse), 613 Cardiography, impedance, 636 Cardiopulmonary bypass

for core rewarming in hypothermia, 407 skin injury and, 97 Cardiovascular system. See also Heart atrioventricular synchrony and hemodynamics in patient with low ejection fraction post open heart surgery, 93 cardiac disruption due to trauma, 14 inferior vena caval injuries, 9

rupture of thoracic aorta in blunt trauma, 47 superior vena cava syndrome, 622

Carotid artery disease

diagnosis

arteriography vs noninvasive techniques, 526 ultrasonic imaging, 532

stenosis, quantitation, Doppler-derived percentage systolic window, 646

Carotid endarterectomy complications, 479

hypertension following, 581

Catheters/catheterization

multiple lumen catheter for central venous access in cancer chemotherapy, 105

for percutaneous administration of epidural and intrathecal morphine in pain of malignant origin, 155

pulmonary artery, in preoperative and intraoperative hemodynamic monitoring, 536

subclavian cannulation, review and recommendations, 108 Chemotherapy

central venous access, multiple lumen catheter for, 105 intra-arterial, regional hepatic infusion, complications, 351

Children congenital prepyloric web in, 282 malignant melanoma in, 142

peritoneal dialysis in, 66 Chisolm, Julian John, 1

Chloral hydrate, morphine sulfate and (rat), 654

Cholangiography

choledochal cysts, 76 operative, in choledocholithiasis, 177

pseudocalculus sign, 197

Cholecystectomy

biliary tract injuries from, 312

in sickle cell patient with asymptomatic cholelithiasis, 205

Cholecystitis

common duct exploration in, 177 posttraumatic and postoperative, 188 in cardiac patient, EKG changes, 541

Choledochal cyst, 76 Choledocholithiasis

critical analysis of retained and residual stones, 588 management, 193

operative cholangiography in, 177

pancreatitis and, early surgery for, 201 Cholelithiasis, asymptomatic, in sickle cell disease, 205

Cimetidine, parenteral, in hyperparathyroid crisis, 320

Circulation, collateral, effect on intestinal viability after segmental devascularization (rat), 630

Clindamycin, moxalactam vs, in mixed anaerobic/aerobic infections, 467

Coagulopathy, alcohol abuse and, and penetrating abdominal trauma, 44

Colectomy, rectal mucosectomy and ileal pouch pull through plus, for chronic ulcerative colitis, 182

Collagen, absorbable (hemostat), for hemostasis, 492 Colon resection, in extremely elderly patient, 214

Colorectal carcinoma

right colon vs left colon vs rectal carcinoma, 504 staging classifications, 428

Colostomy, for rectal gunshot wounds, 37

Computed tomography

in splenic abscess, 303 in splenic cysts, 333

in symptomatic abdominal aortic aneurysms, 87

Computer, handheld, in critical care medicine, 452

Coronary artery disease, biliary tract disease and, EKG changes in, 541

Critical care medicine, handheld computers in, 452 Cyclosporine, in liver transplantation, survival and, 291 Cystoduodenostomy, for pancreatic pseudocysts, 438 Cysts

choledochal, 76 splenic, 333

Dacron arterial prosthesis, macroporous, closure of interstices, comparison of three biologic materials (dog), 667

Debridement, drainage plus, for nontransecting pancreatic injuries, 599

Devascularization, segmental, of small intestine, collateral circulation and intestinal viability (rat), 630

Diabetes mellitus, burns in (mouse), 56

Dialysis

maintenance, cost analysis of various approaches, 315 peritoneal, in pediatric patient, 66

Diaphragm, accessory, 278

Doppler velocimeter, in quantitation of arterial stenosis, 646 Drainage, debridement plus, for nontransecting pancreatic injuries, 599

Drug abuse, pneumothorax and, 377 Drug therapy, abscesses and, 398

Duodenum, ulcers

penetrating, regional hepatic chemotherapy and, 351 perforated, surgical management, 500

Duplication, gastric, 264

Dysphagia, aortic arch anomalies and, 238

Echoflow, in diagnosis of carotid artery disease, 526 Education

flexible sigmoidoscopy/colonoscopy program for surgical

residents, 577 gross anatomy in medical education, 227

surgical endoscopy training, 287 tetanus prophylaxis, 544

Electrical burns, during open heart surgery, 97

Electrical stimulation, in study and correction of human gait, 257 Electrocardiogram, changes in, in cardiac patient with biliary

disease, 541

Emergency medicine, emergency department thoracotomy, 20 Endoscopy

percutaneous endoscopic gastrostomy, 495

training in university program, 287 upper gastrointestinal tract, in complications of regional hepatic chemotherapy, 351 Endotoxemia, in frostbite (mice), 564

Endotoxin, death from, muramyl dipeptide and lead acetate and (mice), 613

Endotoxin shock, imidazole in (dog), 413

Enterocolitis, necrotizing, in newborn, 61

Esophagectomy, with gastric interposition, for carcinoma of cervical esophagus, 140

Esophagogastroduodenoscopy, in complications of regional hepatic chemotherapy, 351

Esophagus

cervical, carcinoma, blunt esophagectomy and gastric interposition for, 140

lower esophageal sphincter, manometric parameters following acid-induced abolition of high pressure zone (cat), 418 varices, bleeding

endoscopic sclerotherapy, 573

surgery for, 81 Ethanol. See Alcohol

Extremities, lower

ischemia, prostaglandin E1 intravenous infusion for, 474 vascular surgery. See Bypass procedures; Revascularization

F

Fibrin, autogeneic, for interstices closure in macroporous Dacron arterial grafts (dog), 667
Fistula, gastrocolic, benign gastric ulcers and, 446
Fluid therapy, intraoperative, preoperative hemodynamic monitoring and, 536
Foot, sole, intrinsic muscles of, 284

Foreign body, gastrointestinal, 618 Fractures, pelvic, 548 Frostbite, endotoxemia in (mice), 564

G

Gait, electrical stimulation studies, 257 Gallium scan, in splenic abscess, 303 Gallstones. See Cholelithiasis Gastric bypass, for morbid obesity, micronutrient deficiency after, 594 Gastritis, regional hepatic chemotherapy and, 351 Gastroesophageal reflux, Angelchik prosthesis in, complications, 208 Gastrointestinal tract, foreign bodies, 618 Gastrostomy, percutaneous endoscopic, 495 General surgery absorbable collagen for hemostasis during, 492 ambulatory surgery: impact on general surgery practice, 347 small-town general surgeons in Georgia, 340 Gentamicin, endotracheal administration, in gram negative pneumonia, 391 Geriatric patient colon resection in, 214 symptomatic biliary tract disease in, 442

н

myocardial compromise, noncardiac muscle assist for (dog), 423 myocardial function, morphine sulfate and (rat), 654 traumatic wounds of, 14 emergency department thoracotomy, 20 valve prosthesis, St. Jude, 101 Heart surgery, open low ejection fraction following, atrioventricular synchrony and hemodynamics in, 93 remote skin injury in, 97 Hemicolectomy, right, preservation of valva ileocaecalis during (rat), 269 Hemodynamics monitoring, preoperative, intraoperative fluid management and, 536 in patient with low ejection fraction following open heart surgery, atrioventricular synchrony and, 93 splanchnic, distal splenorenal shunt and, 568 Hemostasis, absorbable collagen for, 492 Heparin, mini-dose, thromboelastographic evaluation (dog), 112 Hernia, unilateral, in male infant, contralateral groin exploration in, 70 Heterotopia, gastric, 264 Hourglass stomach, 264 Hydrogen ion, secretion by bullfrog fundic mucosa, inhibition of, calcium depletion and, 226

Hyperbaric oxygen, wound healing and, bursting strength and

Hypercalcemia, in squamous cell carcinoma of renal pelvis, 560

revascularization rate of skin wounds (rat), 659

Hyperparathyroid crisis. See Hypercalcemic crisis

Hypercalcemic crisis

Hyperparathyroidism

cimetidine in, parenteral, 320

parathyroid exploration in, 174

parathyroid exploration in, 174

serum parathormone assay in, 170

Hyperplasia, intimal, in revascularization, 663
Hypertension, post carotid endarterectomy, 581
Hypopharynx, carcinoma, blunt esophagectomy and gastric
interposition for, 140
Hypothermia, cardiopulmonary bypass for core rewarming in, 407

1

Iliofemoral bypass, 374 Imidazole, in endotoxin shock (dog), 413 Immunotherapy, adjuvant, vaccinia melanoma oncolysate, in malignant melanoma, 148 Impedance cardiography, 636 accessory septum transversum, 278 male, unilateral hernia, contralateral groin exploration in, 70 newborn, necrotizing enterocolitis in, paracentesis, 61 peritoneal dialysis in, 66 Infection mixed anaerobic/aerobic, moxalactam vs clindamycin/ tobramycin in, 467 necrotizing, of perineum, surgical management, 395 pneumonia, 391 Inflammation, splenectomy in (mice), 337 Infrainguinal bypass, patent, with distal anastomotic obstruction, 607 Infrared light scan, of breast, 123 Inguinal incision, in peripheral revascularization, sources of Staphylococcus epidermidis contamination, 472 Intestine, obstruction, in cancer patient, 434 Intestine, small resection, telescoped intestinal valve in, competence and bacteriology of (dog), 555 viability, collateral circulation and, following segmental devascularization (rat), 630 Iron, body stores, after gastrointestinal surgery, ascorbic acid plus iron therapy and, 463

K

Ischemia, lower extremity, prostaglandin E1 intravenous infusion

for, 474

Kidney
blood flow and energy charge, in peritonitis (mice), 625
cadaver, anatomic abnormalities, 233
endstage disease, dialysis for, cost analysis of various
approaches, 315
failure
model for study of, 651
in pediatric patient, peritoneal dialysis for, 66
in sepsis, murine studies, 625
pelvis, squamous cell carcinoma, hypercalcemia in, 560
transplantation, anatomic abnormalities of cadaver kidneys, 233
vascular injuries, 30

L
Laparotomy
diagnostic, in abdominal trauma, 41

diagnostic, in abdominal trauma, 41
repeat
for intra-abdominal sepsis, 294
in trauma, 308
Lead acetate, effect on carbon clearance and endotoxin-induced
death (mice), 613
Ligament, left triangular, of liver, 246
Linitis plastica, metastatic, 510
Liver
left triangular ligament, 246
transplantation, survival in cyclosporine era, 291
Lupus erythematosus, systemic. See Systemic lupus
erythematosus
Lymph nodes, cervical, squamous cell carcinoma metastatic to, 152

..

Mammography, nonpalpable breast lesions, wire localization and excisional biopsy, 117

Manometry, lower esophageal sphincter asymmetry following acid-induced abolition of high pressure zone (cat), 418

Mastectomy, modified radical, with immediate breast reconstruction, 129

Mediastinum, penetrating injuries, 359

Melanoma, malignant

in childhood and adolescence, 142

vaccinia melanoma oncolysates for, phase I/II pilot study, 148

Merkel cell carcinoma, 159 Metastatic disease

linitis plastica, 510

squamous cell carcinoma of cervical lymph nodes, 152

Missile injuries

inferior vena cava, 9

rectal gunshot wounds, 37 renal vasculature, 30

Morphine

Morphine

myocardial function and (rat), 654

for pain of malignant origin

continuous epidural infusion using external pump, 401 percutaneous administration into spinal epidural or cerebral intraventricular space, 155

Moxalactam, clindamycin/tobramycin vs, in mixed anaerobic/ aerobic infections, 467

Muramyl dipeptide, effect on carbon clearance and endotoxininduced death (mice), 613

Muscles

epaxial parallel muscle combinations of back, muscle spindle contractions of, 273

noncardiac, cardiac assistance from (dog), 423 sole of foot, 284

Myocardium. See Heart

N

Nasoenteric feeding tubes, misplacement of, pneumothorax and, 381 Nerves, autonomic, of pelvis, 236 $\,$

Nutrition micronutrient deficiency, gastric bypass for morbid obesity and, 594

nasoenteric feeding, pneumothorax from tube misplacement, 381

0

Obesity, gastric bypass for, 594

Obstruction

anastomotic, with patent infrainguinal bypass, 607 aortoiliac, iliofemoral bypass, 374

biliary tract disease, 193

intestinal, in cancer patient, 434

Ocular pneumoplethysmography, assessment of intra-aortic balloon pumping, 489

Oculoplethysmography, in diagnosis of carotid artery disease, 526, 532

Opiate agonist. See Morphine

Oxygen

hyperbaric, in wound healing (rat), 659

saturation, mixed venous (\$\vec{v}\text{O}_2\$), continuous monitoring, during aorto-femoral bypass surgery, 114

transcutaneous monitoring, in distal tibial revascularization, 519

F

Pain of malignant origin

epidural morphine by continuous infusion, 402 percutaneous administration of epidural and intrathecal

morphine, 155

Pancreas carcinoma, management, 193 nontransecting injuries, debridement and drainage for, 599 penetrating injuries, 354

pseudocysts, 438

Pancreatitis, cholelithiasis-associated, early surgery for, 201
Pannus growth, of expanded polytetrafluoroethylene vascular grafts, 663

Paracentesis, for neonatal necrotizing enterocolitis, 61 Parathormone, serum assay, in primary hyperparathyroidism, 170 Parathyroid gland, exploration, in hyperparathyroidism, 174

autonomic nerves, surgical anatomy, 236

fractures, 548

renal. See Kidney, pelvis

Pentobarbital, morphine sulfate and (rat), 654

Perineum, necrotizing infection, surgical management, 395

Peritoneal fluid, Candida in, pathogenicity of, 299

Peritonitis, renal blood flow and renal energy charge (mice), 625 Phonoangiography, carotid, in carotid artery disease, 532

Pilonidal sinus, Z-plasty (modified) for, 611

Pituitary tumor, transnasal, transsphenoidal approach with marsupialization of sella turcica, 165

Pneumatic compression device, for prophylaxis of deep vein thrombosis, 371

Pneumonia, gram negative, endotracheal aminoglycosides in, 391 Pneumoplethysmography, ocular. See Ocular pneumoplethysmography

Pneumothorax

in drug abusers, 377

nasoenteric feeding tube misplacement and, 381

Polyposis, familial, colectomy, rectal mucosectomy and ileal pouch pull through for, 182

Polytetrafluoroethylene vascular grafts, pannus growth patterns (dog), 663

Pregnancy, appendectomy during, 218

President's address

ambulatory surgery, 347

Julian John Chisolm, M.D.: Confederate surgeon, 1 Prostaglandin E₁, intravenous infusion, for limb ischemia, 474

Prosthesis

Angelchik, 208
Dacron macroporous arterial graft, 667

St. Jude Medical cardiac prosthesis, 101

Proteins, receptor, for steroid hormones, thyroid disorders and, 514 Pseudocalculus sign, 197

Pseudocyst, pancreatic, 438

R

Radiation therapy, postoperative, for Merkel cell carcinoma, 159 Receptor proteins, for steroid hormones, and thyroid disorders, 514

Reconstructive surgery

breast, immediately after modified radical mastectomy, 129 cervical esophagus, gastric interposition for, 140 vascular, in extremity injuries, determination of disability, 91

Rectum

carcinoma. See Colorectal carcinoma

gunshot wounds, 37

mucosectomy plus colectomy and ileal pouch pull through, for chronic ulcerative colitis, 182

Reflux, gastroesophageal, 208

Revascularization

distal tibia, transcutaneous oxygen monitoring to determine site and timing of late amputation, 519

expanded polytetrafluoroethylene vascular grafts, 663 in extremity injuries, determination of disability, 91

intimal hyperplasia in, 663

peripheral, Staphylococcus epidermidis graft infection in, 472 Rib resection, percutaneous transluminal angioplasty and, for thoracic outlet syndrome, 485

9

St. Jude cardiac valve prosthesis, clinical assessment, 101 Scanning techniques, in early diagnosis of splenic abscess, 303 Sclerotherapy, for bleeding esophageal varices, 573 Sepsis imidazole in (dogs), 413 intra-abdominal, relaparotomy for, 294 postsplenectomy, 456 renal failure in, murine studies, 625 Septum transversum, accessory, 278 Shock, endotoxin, imidazole in (dogs), 413 Shunts for bleeding esophageal varices, 81 splenorenal, distal, splanchnic hemodynamics and, 568 Sickle cell disease, cholecystectomy in, 205 Situs inversus, stomach, 264 Skeletal muscle, for assisting disabled ventricle (dog), 423 Skin injury, during open heart surgery, 97 Smoke inhalation, morbidity and mortality, ethanol intoxication and, 641 Spleen abscess, 386 early diagnosis, 303 cystic masses, 333 trauma to, salvage procedures, 456 venous segmentation of, 253 Splenectomy effect on acute inflammation (mice), 337 in systemic lupus erythematosus, 366 Splenorenal shunt, distal, splanchnic hemodynamics and, 568 Stab wounds, inferior vena cava, 9 Staging, colorectal carcinoma, 428 Staphylococcus epidermidis, graft infection, in peripheral revascularization, 472 arterial, quantitation of, Doppler-derived percentage systolic window, 646 pyloric, congenital hypertrophic, 264 Steroid receptor proteins, and thyroid disorders, 514 Stomach antral mucosal web, 282 congenital anomalies, 264, 282 interposition, following esophagectomy for carcinoma, 140 linitis plastica, metastatic, 510 gastrocolic fistula and, 446 perforated, 551 Subclavian vein, catheterization, review and recommendations, 108 Superior vena caval syndrome, management, 622 Systemic lupus erythematosus, splenectomy in, 366

Т

Technetium 99m scan, in splenic abscess, 303 Temporal artery, superficial, aneurysm, head trauma and, 49 Teratoma, gastric, 264 Tetanus prophylaxis, in wound management, 544 Thoracic outlet syndrome, percutaneous transluminal angioplasty and transaxillary first rib resection for, 485 Thoracotomy, in emergency department, 20 Thrombocytopenia, in systemic lupus erythematosus, splenectomy for, 366 Thromboelastography, evaluation of mini-dose heparin (dog), 112 Thrombosis, deep venous, prophylaxis, pneumatic compression device for, 371 Thyroid disorders, steroid receptor proteins in, 514 Tobramycin, moxalactam vs, in mixed anaerobic/aerobic infections, 467 Tomography, computed. See Computed tomography Transplantation hepatic, 291 renal, 233 Trauma abdominal alcohol abuse and coagulopathy and, 44

diagnostic laparotomy for, 41 biliary tract, cholecystectomy and, 312 blunt, aortic rupture and, 47 cardiac disruption due to, 14 emergency department thoracotomy, 20 to head, aneurysm of superficial temporal artery and, 49 inferior vena cava, 9 pancreatic, debridement and drainage for, 599 penetrating mediastinum, 359 pancreas, 354 rectal gunshot wounds, 37 relaparotomy in, 308 renal vascular injuries, 30 spleen, salvage procedures, 456 trifurcation injuries, 585 vascular, of extremity, 91 Trifurcation injuries, management, 585 Tumors. See also Cancer pituitary, 165

U

Ulcerative colitis, colectomy, rectal mucosectomy and ileal pouch pull through for, 182

Ulcers
duodenal
perforated, 500
regional hepatic chemotherapy and, 351
gastric
gastrocolic fistula and, 446
perforated, 551

Ultrasonography
in appendicitis, 222

V

choledochal cysts, 76

splenic cysts, 333

in splenic abscess, 303

Vaccinia melanoma oncolysate, phase I/II pilot study in malignant Vagina, atresia, repair of, posterior sagittal approach, 72 Valva ileocaecalis, preservation during ileocolonic surgery (rat), 269 Valve, intestinal, telescoped, post small bowel resection, competence and bacteriology of (dog), 555 Varices, esophageal. See Esophagus, varices Vascular system aortofemoral bypass, 114 deep venous thrombosis, prophylaxis, 371 iliofemoral bypass, 374 peripheral revascularization, Staphylococcus epidermidis graft infection, 472 reconstruction, in extremity injuries, 91 renal vascular injuries, 30 superficial temporal artery aneurysm, 49 venous segmentation of spleen, 253 Vena cava inferior, injuries, 9 superior, syndrome, 622 Vitamin C. See Ascorbic acid

w

Wire localization, nonpalpable mammographic abnormalities, 117
Wound healing
in distal tibial revascularization, skin oxygenation and, 519
hyperbaric oxygen and, 659
tetanus prophylaxis, 544

7

Z-plasty, modified, for pilonidal sinus, 611

AUTHOR INDEX

A		Cantrell, Robert W.	140	Flancbaum, Louis	541	J	
		Caplan, Ellis S.	467	Fletcher, H. Stephen	222		
Abcarian, Herand 236,	577	Caputy, Anthony	155	Floyd, Hillard D.	91	Jacobs, J. Kenneth	177
Abdu, Rashid A.	504	Caudle, Scott O.	76	Foldes, Marcia S.	371	Jacobs, Lloyd A.	374
	366	Cebul, Robert D.	177	Foshag, Leland	312	Jamieson, J.	551
	651	Chapman, James E., Jr.	315	Foucar, Elliot	142	Jochimsen, Peter R.	142
	320	Chapman, John	622		. 337	Jones, Larry M.	218
	177	Chase, Robert A.	227	Freda, Alfred	641	Joob, Axel W.	140
Adcock, O. T.	20	Cheadle, William G.	613	Frikker, Mark J.	446	Joshi, Manjari	467
Adkins, R. Benton, Jr.	30.	Cheung, Nae K.	287	Fry, Donald E.	625	,	
134.		Chiappetta, A.	603	Fynan, Thomas M.	588	K	
,	142	Chilton, Jonathan	155	1 yilan, 1 nonius ivi.	500	••	
	170	Choban, Patricia S.	44			Kambouris, Angelos A.	347,
Allison, John G.	226	Clark, Douglas M.	315	G		,	428
Alpert, Martin	93	Cohen, Howard	214	_		Kanter, Mitchel A.	510
	438	Cotlar, Alvin M.	159	C 11 1 11 1 C	400	Kattah, Jorge C.	165
	641	Cullen, Joseph J.	226	Gallagher, Hugh S.	489	Kaufman, Jeffrey L.	105
Araki, Clifford T.	646	Curreri, P. William	495	Gallick, Harold L.	434	Kauten, James R.	208
	438		93	Gao, Xian Hua	246	Kennedy, W. Robert	504
Aranha, Gerard V. Ashkar, Fuad S.	123	Curtis, Jack	93	Garcia, Mariano	320	Kerstein, Morris D. 91	
	97			Gastfriend, Robert J.	636	recision, morns D.	585
Atlas, Patricia L.	402	D		Gates, James O.	159	Ketcham, Alfred S.	123
		_		Gee, William	489	Khoolussy, A. Mohsen	555,
Ausobsky, Jonathan R.	613	D'Angele Coores I	101	Geelhoed, Glenn W.	456,	Khoolussy, A. Molisch	663
		D'Angelo, George J. Dadu, Peter			4, 560	Kieffer, Robert W.	87
В			514		7, 284	King, Larry	474
		Dagi, 1. Forcht 13 Dahn, Michael S.	5, 165 374	Gibbs, Frederic A., Jr.	159	King, Terry A.	519
Bailey, Linda E.	218	Dalton, Martin L.	41	Glick, Harold	320	Kinzie, Joseph	351
Baker, William H.	371			Goldstone, Robert Jay	320	Kirchner, Fred K.	30
Balch, Charles	148	Dasmahapatra, Kumar S	287	Goode, Robert	641	Kish, George F.	101
Barillo, David J. 564,		Davies Jack	238	Graham, Alan D.	37	Klein, Stanley R.	500
Baringer, David C.	599	Davies, Jack		Graham, Barney S.	238	Kniskern, Jan H.	222
Barkel, Donald C.	395	Davies, Ross S. Davis, Frank E., III	452 548	Gray, Laman A., Jr.	14	Knol, James A.	386
Bartolucci, Alfred	148		333	Gray, Stephen W. 278	8, 618	Knoll, Stanley M.	510
Bash, Jerry	148	Dawes, Lillian G. Dawson, David L.	253	Greenlee, Herbert B.	438	Kon, Neal D.	197
Beahrs, Oliver H.	227	Decker, G. A. G.	551	Greisler, Howard P.	371	Krasna, Mark J.	541
Bivins, Brack A. 354,		Dembrow, Victor	174	Gruenberg, James C.	366	Kron, Irving L.	140
	391		72, 76			Krzyzaniak, Ray	278
Block, Peter H.	108	Donohoe, Michael J.	337	H		Kuwano, Hiroyuki	663
Bloom, Richard R.	618	Douglass, Robert E.	377	-		,,	
Boland, James P.	622	Dunbar, Laura L.	134			1	
Boley, Theresa	93	Dyess, D. Lynn	14	Halverson, John D.	594	_	
Bombeck, C. Thomas	418	Dyess, D. Lynn	14	Hampton, William W.	625	Lafreniere, Rene	123
Bonacquisti, Keith	555			Hans, Sachinder Singh	607	Lamont, Peter	613
Bonadimani, B.	603	E		Hardin, William D., Jr.	585	Lattouf, Omar M.	66
Bouwman, David L. 351,				Harju, E.	463	Lazaro, Eric J. 53, 56	
Brandell, Bruce R.	257	Eckhauser, Frederic E.	386	Harness, Jay K.	442	193, 33	
Bridgman, Albert H.	474	Edlich, Richard F.	544	Hashizume, Makoto	663	Ledgerwood, Anna M.	398
Broach, James	526	Edwards, Fred H.	452	Haybron, David M.	625	Lee, P. T.	607
Brock, John W., III	30	Egozi, Isaac	174	Hayes, Andrew C.	371	Lee, W. P. Andrew	630
Brolin, Robert E.	588	Eskin, Eva Maria	222	Haynes, James L.	49	Lefemine, Armand A.	526
Browder, I. William	492	Lokin, Lva mara		Herring, Davey D.	340	Leonard, M. Lisa	636
Brown, John	423	_		Hickerson, William L.	188	Levine, Paul A.	140
Brown, Morris	581	F		Himes, Joseph	402	Levison, Marc A.	377
Brown, O. William	581			Hinshaw, Keith A.	351	Lin, Reng-Lang	641
Browning, Daniel P.	413	Fabian, Timothy C.	37, 188	Hoak, Bruce A.	622	Lindberg, H.	463
Bryant, Carol A.	544	Fares, Louis G., II	108	Hobson, Robert W., II	646	Little, John W.	129
Buck, Gray C., III	41	Farringer, John L., Jr.	134	Holt, Richard	129	Littooy, Fred N.	371
Bulkley, Gregory B.	630	Feldman, Stephen D.	108	Horst, H. Mathilda 354		Litwin, Martin S.	492
Bunt, T. J. 49, 294,	472	Feller, William F.	129		391	LoCicero, Joseph, III	97
		Ferrara, John J.	573	Howard, Maceo M.	81	Long, John B.	500
C		Fine, Joseph G.	117			Lowe, Whitson	651
-		Finley, Robert K., Jr.	218			Lucas, Charles E.	398
Caballero, Gerardo A.	402		97	1		Lucas, Robert J.	446
Caballero, Gerardo A. Camishion, R. C.	402 47	Fisher, Elysa Fitzpatrick, Brian J.	97 467	•		Lucas, Robert J. Lynch, Peter R.	446 636

Salazar, Juan 174 Townsend, Michael C. 625

IVI		O		Salazar, Juan	1/4	Townsend, Michael C.	623
			254	Sardesai, Peter G.	101	Trachtenberg, Laura S.	613
Macheers, Steven K.	532	Obeid, Farouck N.	354,	Sauvage, Lester R.	667	Trostle, Douglas R.	201
Macko, Patricia	636		359, 391		4, 560		
Madigan, Niall	93	O'Connor, Gerard S.	456	Schein, M.	551	U	
Mahler, Debbie K.	371	Ohanian, Maimu	152	Schirmer, James M.	625	•	
Malangoni, Mark A.	333	Oliver, Gregory C.	303	Scholten, Donald J.	381	Urdaneta, Luis F.	142
Mandel, Stanley R.	299	Oller, Dale W.	479	Schultz, Lonni	428	Ordancia, Luis 1.	142
Mangiante, Eugene C.	37, 188	Ott, David J.	197	Schwab, C. William 20,	44, 47		
Manship, Lawrence L.	. 49			Scott, Stewart M.	474	V	
Mansour, Kamal A.	208	P		Scott-Conner, Carol E. l	H. 253		
Maples, Michael D.	238	-		Seeger, James M.	87	Van De Water, Joseph M	. 636
Martin, Louis F.	14			Sethi, Gulshan K.	474	Van Voorst, Steven	291
Martin, Matt B.	197	Pasquali, C.	603	Shaikh, Khaleel A.	47	VanSlyck, Ellis J.	366
Mathisen, Sven R.	667	Pawel, Hans E.	646	Shanks, Colin	97	VanWylen, Stephen J.	413
	55, 663		236, 577	Sherman, Roger	1	Vanek, Vincent W.	504
Mattingly, Sally S.	117	Peck, D.	273	Sherwood, Janice Kane		Vargish, Thomas	312
Mavroudis, Constantin		Pedrazzoli, S.	603	Siegler, Hilliard	148	Vera, Santiago R.	291
Max, Martin H.	20, 44	Peper, William A.	359	Siemons, Gary O.	588		6, 112
	651	Perler, Bruce A.	485		544		5, 413
McDougal, W. Scott		Perline, Richard K.	489	Silloway, Kimberly A.		Vo, Nghia M.	568
McKnight, Wanda G.	134	Peters, Thomas C.	291		54, 282	vo, Ngma M.	300
McLean, T. R.	418	Petrin, P.	603	Sinicrope, Ronald A.	315		
McNally, Katherine	148	Polk, Hiram C., Jr.	613	Skandalakis, John E.	618	W	
Meacham, Patrick W.	30	Pollak, Raymond	233	Smith, Lee Elton	182		
Melnik, Marianne K.	142	Pomerantz, Richard A		Smith, Robert L.	489	Wade, Richard J.	97
Meltzer, Toby	659	Ponsky, Jeffrey L.	599	Soper, Robert T.	142	Wallace, James R.	398
Michaelides, Maria	148	Poole, Galen V., Jr.	170	Sorensen, Victor J. 35	54, 391		8, 214
Michelini, Mary A.	371	Prinz, Richard A.	438	Spear, Scott	129	Walls, Joseph	93
Militello, C.	603	Prorok, Joseph J.	201	Sperti, C.	603	Wanebo, Harold	148
Miller, Sidney F.	218	Proudfoot, Richard W		Spillert, Charles R. 53, 5	6, 112,	Warren, John W.	467
Minervini, Donald	320	Prusak, Barbara F.	233	193, 33	37, 564	Weaver, Donald W. 35	
Mitchell, Sally E.	485	Psyhojos, Triffin J.	646	Splittgerber, Fred H.	407	Weiss, Arnold-Peter C.	630
Mohit-Tabatabai, Mirse	eyed A.	Puri, Vinod K.	536	Stafford, Perry W.	70	Welch, Harold	479
	152	run, vinou K.	330	Stelling, Carol B.	117	Wethe, James D.	500
Molina, Manuel E.	253			Sterchi, J. Michael	197		500
Monsen, Harry	236	R		Stevens, Larry	423	White, Rodney A.	
Moody, James	72			Stewart, Mark T.	9	Whitt, Carl L.	504
Moore, John P.	495	Raina, Suresh	193	Stone, H. Harlan	9	Wild, Ronald E.	299
Morehouse, Paul D.	308	Rambo, William M.	205		36, 442	Wilder, Brian J.	544
Mozes, Martin F.	233	Reid, John	93	Suval, William	53, 56	Wilkinson, Leah	269
Myers, Bert	659	Reines, H. David	205	Swan, Kenneth G.	81	Williams, James W.	291
Myers, Richard T.	170	Rhodes, Glen R.	519	Sweezer, William P.	407	Willis, Irvin	214
myers, raenara 1.	170	Richardson, J. David	14	Swetnam, Jeffrey A.	585	Wilson, Robert F.	407
		Ricketts, Richard R.	61, 66	Swethall, Jeffley A.	363	Witkowski, Thomas	555
N		Riggs, Thomas	312	_		Witt, Theresa T.	238
		Rikkers, Layton F.	568	Т		Won, Daniel	155
	193, 287					Wood, Terrance L.	381
Nakano, Phillip H.	618	Roberts, Alexander Rocko, Joyce M.	246 81	Takenaka, Kenji	555	Woolley, Thomas W.	526
Nathanson, S. David	428			Talbert, Joe G.	407	Wu, Hong-De	667
Neely, William A.	41	Rodning, Charles B.	269,	Talsma, Samuel E.	442		
Nelson, Loren D.	114	Deer Devid M	495	Tan, Wilfredo S.	101	V	1
Nelson, Richard L.	577	Rose, David M.	500	Teich, Steven	303	Y	
Nesbitt, Jonathan C.	651	Ross, Steven E.	308	Tenney, James H.	467		
Nichter, Larry S.	544	Rush, Benjamin F., J		Tepas, Joseph J., III	70	Yang, Seung Chul	536
Nissenblatt, Michael J.			641	Thomas, Trey	573	Yang, Yeng 55.	5, 663
Nitz, Arthur J.	273	Rutledge, Robert	299	Thompson, Dan R.	381		
Nochomovitz, Lucien				Thornton, James W.	386	Z	
Norwood, Scott H.	114	S		Tikellis, James I.	53	_	
Nowak, Michael M.	599	3		Tiley, Edward	622	Zammit Michael	667
	118, 577	Saadia, R.	551	Tilley, Barbara	428	Zammit, Michael	667
Nylander, William A.	651	Sachs, Robert J.	434	Toubanakis, George	611	Zimmerman, Bernard	312 386
Junior, William A.	031	Sucha, Modell J.	454	Touballakis, George	011	Zuidema, George D.	300

